Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	11/09/2016 10:29 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	07/29/2016 03:45 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	122827	-2	3.41	122631	3.46
Blue	F	SSC	125000	124938	-1	5.01	125484	5.06
Blue	E	FITC	22946	22234	-4	3.63	981	10.46
Blue	D	PE	28770	28321	-2	3.32	1010	9.96
Blue	B	PerCP-Cy5-5	51099	50787	-1	4.23	1460	16.89
Blue	A	PE-Cy7	42312	42573	0	5.66	659	34.74
Red	C	APC	52169	50996	-3	3.55	2957	9.78
Red	A	APC-Cy7	56705	55955	-2	3.63	1161	11.64
Violet	B	V450	14708	13896	-6	3.73	670	9.74
Violet	A	V500	58608	57345	-3	3.49	2551	6.59

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19232	6.36	601	3	N/A	N/A	Pass
Blue	F	SSC	61907	4.00	532	14	N/A	N/A	Pass
Blue	E	FITC	113	38.37	537	6	0.0218	187	Pass
Blue	D	PE	222	28.41	533	7	0.1678	235	Pass
Blue	B	PerCP-Cy5-5	230	44.56	632	10	0.0104	110	Pass
Blue	A	PE-Cy7	71	118.06	681	10	0.0125	19	Pass
Red	C	APC	342	27.46	594	4	0.0197	23	Pass
Red	A	APC-Cy7	127	41.78	580	4	0.0053	1736	Pass
Violet	B	V450	81	48.93	468	9	0.0386	2433	Pass
Violet	A	V500	185	31.35	499	11	0.0133	2593	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.12	-30.71	0.82
Blue	20.37	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.33
Red	16.14	13.27 - 19.91	N/A	N/A	31.02	31.40	1.15

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 10680

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments